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JAN 05 2006

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IMPORTANT FAX DOCUMENT

DATE January 5, 2006
NAME United States Patent and Trademark Office
COMPANY
FAX NUMBER (571) 273-8300
FROM Michael J. Tempel *[Signature]*
REFERENCE NO. 10/688,600
OUR FAX NUMBER 770-804-0900
NUMBER OF PAGES 9

First Response in Application No. 10/688,600
(Tunnel-Junction Structure Incorporating N-Type Layer Comprising
Nitrogen And A Group VI Dopant)
Filed: October 17, 2003
Inventors: Michael Howard Leary et al.
Examiner: Nguyen, Phillip
Art Unit: 2828
Conf. No. 2258
Docket No. 10021234-1 (01015.0003U1)

CONFIDENTIALITY NOTE

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AVAGO TECHNOLOGIES, INC.
P.O. Box 1920
Denver, Colorado 80201-1920

JAN 05 2006

ATTORNEY DOCKET NO. 10021234-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Michael Howard Leary et al.

Serial No.: 10/688,600

Examiner: Nguyen, Phillip

Filing Date: October 17, 2003

Group Art Unit: 2828

Title: Tunnel-Junction Structure Incorporating N-Type Layer Comprising Nitrogen And A Group VI Dopant

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- ☒ Response/Amendment ☐ Petition to extend time to respond
☐ New fee as calculated below ☐ Supplemental Declaration
☒ No additional fee (Address envelope to "Mail Stop Amendments")
☐ Other: (Fee \$_____)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	23	MINUS	23	= 0	X 50	\$ 0
INDEP. CLAIMS	4	MINUS	4	= 0	X 200	\$ 0
<input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ 360	\$ 0
EXTENSION FEE	1 ST MONTH 120.00 <input type="checkbox"/>	2 ND MONTH 450.00 <input type="checkbox"/>	3 RD MONTH 1020.00 <input type="checkbox"/>	4 TH MONTH 1590.00 <input type="checkbox"/>		\$ 0
OTHER FEES						\$ 0
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 50-3718. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 50-3718 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-3718 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this transmittal letter is enclosed.

Respectfully submitted,

Michael Howard Leary et al.

By


Michael J. Tempel
Attorney/Agent for Applicant(s)

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below:

Date of facsimile: January 5, 2006

Typed Name: Michael J. Tempel

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Reg. No. 41,344

Date: January 5, 2006

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Patent
Avago Technologies Docket No.: 10021234-1

JAN 05 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Michael Howard Leary <i>et al.</i>)	
)	Group Art Unit: 2828
Application No.: 10/688,600)	
)	Examiner: Nguyen, Phillip
Filed: October 17, 2003)	
)	
For: Tunnel-Junction Structure Incorporating)	Docket No.: 10021234-1
N-Type Layer Comprising Nitrogen)	
And A Group VI Dopant)	Confirmation No.: 2258

FIRST RESPONSE

Mail Stop Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Smith Frohwein Tempel Greenlee Blaha LLC
Customer Number 35856

Sir:

In response to the non-final Office Action mailed December 13, 2005, Applicants submit the following remarks.

A listing of claims begins on page 2 of this paper.

Remarks begin on page 6 of this paper.

AUTHORIZATION TO DEBIT DEPOSIT ACCOUNT

It is not believed that extensions of time or fees for net addition of claims are required, beyond those, which may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. §1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to Avago Technologies Deposit Account No. 50-3718.

CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence, including any items indicated as attached or included, is being transmitted via facsimile transmission to the United States Patent and Trademark Office, (571) 273-8300, on the date indicated below.

Date: 1/5/06

Signature - Michael J. Tempel